



'We need both an increase in efficiency and a positive CO₂ footprint**'

* Goal — 15% efficiency increase by 2020 compared to 2015.

A roadmap for global efficiency

A global company shows how energy savings can be replicated across different regions

Reducing the global CO₂ footprint while observing local energy laws and market conditions is a challenge that can be solved strategically

Purpose

In a large production company with 38 production sites on nearly every continent, sustainability was already firmly anchored in the group's internal guidelines. As a supplier to many well-known cosmetics manufacturers, especially luxury brands, taking corporate responsibility for the CO₂ footprint of the produced goods is essential — however, in this case, the various different programmes and campaigns implemented at group level and in the respective countries were largely disconnected. A common, measurable improvement was therefore hardly imaginable. To this end, a trustworthy consultant was hired, who developed, implemented and monitored an energy management programme with the customer, based on the target of a 15% improvement in energy efficiency by 2020. The different regulatory and technical conditions at the production sites, e.g. in France, Mexico and India, provided a critical side issue that needed to be resolved.

Path

The customer's goal was to integrate a continuous improvement in energy efficiency into a global strategy, with a target improvement of 15% by 2020 as measured against the consumption in 2015.

Customer profile

Global leader in beauty and personal care packaging

- 38 production sites in 15 countries
- >15,000 employees
- More than EUR 1.5 million potential savings in energy costs



The customer turned to an experienced partner with industry-specific expertise that is large and internationally active enough to realise the project's global perspective. A common, global approach to the energy management needed to be found. The three-year programme developed by Schneider Electric has helped to define a more energy-efficient path for the entire group. The most important phases of the project:

- An intensive preparatory and workshop phase at the start, from which a clearly defined energy strategy emerged
- Joint development of plans, tools, key performance indicators and models to ensure project success
- Standardised creation of an energy management information system (EMIS) across all sites
- Implementation and monitoring of optimisation measures in parallel to EMIS implementation (e.g. scheduling, target values, adapted regulation, etc.) and coordination with qualified personnel
- Initiation of a programme of standard energy saving measures in a transverse manner, starting with a pilot site
- All project phases secured by Continuous Efficiency Services



Results

The programme is still being implemented. However, the interim balance is positive: Schneider Electric is not merely "on track" as far as the overall target is concerned. At the pilot site it was shown that savings of EUR 200,000 can be achieved within an amortisation period of just 1.5 years. In the meantime, the project is now in Phase 2, its findings are being transferred to a further seven sites and, by training the energy teams there, the scheme will reach all parts of the company. Schneider Electric is deploying its global specialists for this purpose, thus ensuring the global success of the programme.

1.5 years

Amortisation period for the measures implemented at the pilot site

EUR 1.5 m

Potential savings for the 3-years programme

1 platform

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